DSL Discrete Multitone Deluxe Light Service (8059)

Digital Subscriber Line (DSL) Discrete Multitone Deluxe Light Service utilizes Digital Subscriber Line (DSL) technology. It will be a dedicated 256 Kbps downstream and 128 Kbps to 256 Kbps upstream service.

Please refer to appropriate telephone company tariffs to determine availability and any service restrictions.

Generic Name of ONA Service	**Product Name**	
DSL Discrete Multitone Deluxe Light Service	Qwest – DSL Discrete Multitone Deluxe Light Service	BSA/BSE

References: not available.

Frame Relay Service (4027,5037,8039)

This service provides fast packet transmission of customer data to and among Local Area Networks and host computers. Using statistical multiplexing, it allows customers to allocate circuit bandwidth to applications as needed and as available. Variable length frames are relayed from the source to the desired destination by means of virtual connections which are established at the time of subscription via Service Order.

This arrangement requires the use of separately purchased customer provided terminal equipment that functions as a multiplexer/bridge/router. The terminal equipment accumulates customer data and puts it into a frame relay format for transmission over the Frame Relay Network.

Generic Name of ONA Service	Product Name	
Frame Relay Service	BS - Exchange Access Frame Relay Service	BSA
	NX - Frame Relay Service	BSA
	Qwest - Frame Relay Service	BSA

References:

- TR-TSV-001369 Generic Requirements for Frame Relay PVC Exchange Service, Issue 1, May 1993
- TR-TSV-001370 Generic Requirements for Exchange Access Frame Relay PVC Service, Issue 1, May 1993

McCulloh Loop (8052)

McCulloh Loop (LS2) is a low-speed voice grade, private line data service for alarm applications at speeds of 0-30 baud or –150 baud. McCulloh bridging permits bridging for multi-point applications. The cable facility used must be a metallic cable pair. Up to twenty-s locations can be bridged on one circuit. LS2 is available on an interstate basis. It may also be available on an intrastate basis (consult the appropriate Tariff Reference data to determine exact state availability).

Generic Name of ONA Service	Product Name	BSE or CNS
McCulloh Loop (LS2)	Qwest – McCulloh Loop (LS2)	BSA

Qwest IDSL Service (8043)

Qwest ISDN Digital Subscriber Line ("Qwest IDSL") Service provides a data only, two-wire, private line service with a bi-directional data transmission capacity of 128 kbps or 144 kbps. Each Qwest IDSL must be connected to a Qwest DSL Host Service. Qwest IDSL provides the teleworker with a link/access to the end user's business local area network, enabling work-based activities, such as work-at-home capabilities and access to Internet service providers. Qwest IDSL is only available on an interstate basis.

Generic Name of ONA Service	Product Name	BSE or CNS
Qwest IDSL Service	Qwest – Qwest IDSL Service	BSA

Qwest DSL Service (8041)

Qwest DSL Service utilizes Digital Subscriber Line (DSL) technology to provide customers with both voice and high-speed data services over metallic local loop facilities. This service allows the Company to accept traffic from the customer and separate the voice from the data, sending each type of traffic to the appropriate, separate network.

Qwest DSL Service allows the end user to transmit data at peak bandwidths ranging from 256 kbps to 7 Mbps. Multiple end users' dat transmissions are aggregated onto a central office hub transmitting at peak bandwidths of 1.544 Mbps, or 3 Mbps up to 45 Mbps (in 3 Mbps increments).

Generic Name of ONA Service	Product Name	
Qwest DSL Service	Qwest – Qwest DSL Host Service	BSA/BSE
	Qwest – Qwest DSL Service	CNS

References: Technical specifications for Qwest DSL Service are delineated in Qwest Technical Specification Paper #60000-006 CAP RADSL (Netspeed).

Modem Aggregation Service (8044)

Modem Aggregation Service ("MAS") provides ESPs the ability to use Telephone Company-provided modems that are located in the Telephone Company central offices. MAS provides a dial-in number and a specified number of modems (in groups of ten), which the ESP can make available to their end users in order to provide dial-in access to the ESP's data network. End-user calls in excess of the subscribed-to number of modems will receive a subscriber busy signal. Connectivity between the modems and the customer's network is provided via standard Frame Relay Service ("FRS") or ATM Cell Relay Service ("CRS"). MAS requires the use of customer-provided equipment, located at the ESP's location, to interface with the end-user modem traffic that is being delivered over the FRS or ATM CRS to the ESP location. MAS is only available on an interstate basis.

Generic Name of ONA Service	**Product Name**	**BSE or CNS**
Modem Aggregation Service	*Qwest – Modem Aggregation Service*	BSA

Remote Access Service (4033)

Remote Access Service is a customer-controlled service that supports a dedicated, customer selected remote access server with backup dial-in capability for network management. Remote Access Service provides one-way ports for the collection, concentration, signaling and aggregation of an information service provider's (ISP's) dial-up data traffic into a hub site. This option will allow an ISP's end-use customer to call into a remote access server. Remote Access Service is available on an interstate and intrastate basis.

Generic Name of ONA Service	Product Name	BSE or CNS
Remote Access Service	BS – BellSouth Remote Access Service	BSA

Trunk Side Access Facility (4003)

This capability provides a trunk side connection from a Traffic Operator Position System (TOPS) Tandem switch to an ESP's premises. This connection will be a dedicated one way trunk group from each of the TOPS Tandem switches serving the end offices the ESP wishes to receive traffic from. This trunk group is designed to deliver the called number (UAN) and calling line ANI from the TOPS Tandem switch to the ESP. Feature Group D-like signaling will be used to communicate with the ESPs CPE.

This capability will only be available in the General Subscribers Services Tariff and only in conjunction with Uniform Access Number.

Generic Name of ONA Service	Product Name	
Trunk Side Access Facility	BS - Trunk Side Access Facility	BSA

References: not available.

Video Dialtone Access Link (3010)

A Video Dialtone Service that provides for the transport of video and other programming signals.

Generic Name of ONA Service	Product Name	
Video Dialtone Access Link	BA - VDT - Access Link	BSA

FEATURE OPERATION:

Video Dialtone Direct Access Link provides a connection from the Programmer-Customer's designated location to a Telephone Company Video Distribution Office and is capable of transporting up to a maximum of ninety-six (96) 6 megabyte/sec MPEG2 [MPEG - Motion Picture Experts Group] digital signals. Video Dialtone Access Links are one-way, from the Programmer-Customer to the Video Dialtone Distribution Office, and require that the Programmer-Customer meet the interface specifications found in Bell Atlantic Technical Publication TR-72550.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

For interface publications, see Bell Atlantic Technical Publications TR-72550 and TR-72211.

Also see BroadBand Technologies Technical Publication TESP-0106. Contact information for BroadBand Technologies, Inc.:

BroadBand Technologies, Inc.

Suite 150, Triangle Business Center

4024 Stirup Creek Drive

Durham, NC 27703

Post Office Box 13737

Research Triangle Park, NC 27709-3737

Telephone: 919 544-0015

Fax: 919 544-5356

This service is offered where available and facilities permit.

555 Access Service (8038)

This service provides access to ESPs by their clients using a 555-XXXX telephone number. The service enables the ESP to have a uniform, LATA-wide, 10 digit (NPA-555-XXXX) telephone number. The same 555 number could be used in multiple LATAs where service is available.

Generic Name of ONA Service	Product Name	BSE or CNS
555 Access Service	Qwest - 555 Access Service	BSA

FEATURE OPERATION:

1. When a caller dials the unique 555 telephone number (1-NPA-555-XXXX) within a LATA, the call is routed to the caller's originating end office and then to the associated Traffic Operator Position Switch (TOPS) that serves the end office.
2. At the TOPS tandem the 555 call is translated into a unique 800 NXX-XXXX telephone number which is associated with each 55 telephone number or group of 555 telephone numbers. (The 800 telephone number is obtained by the 555 service subscriber.) [Note: 888, 877, 866, and 855 are now equivalent to 800.]
3. After the call is translated into an 800 telephone number, the 800 database is queried to identify the 555 Service subscriber's call routing instructions.
4. The 555 call is then routed in the standard Feature Group D format which includes the calling number, the called number (800 telephone number) and Automated Number Identification (ANI) information digits. ANI information digits are the digits that precede the calling number on the ANI record. ANI information digits inform the 555 Service subscriber of the calling party's class of service for billing, routing and other special handling purposes.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. The calling party, the TOPS tandem and the 555 subscriber's routing point must be in the same LATA. The routing point can be either the 555 subscriber's location or to their carrier of choice. In LATAs where more than one TOPS tandem is present, the 555 Service subscriber must subscribe to 555 Service from both TOPS tandems.
2. Calls from outside the LATA will be blocked. Blocking also applies to "0 minus" (e.g., for the hearing impaired, etc.), "0+" calls. and restricted classes of service.
3. This capability is currently available only from suitably equipped DMS-200 Traffic Operator Position Switches.

2. Appendix 1 - Region Specific Services - Technical Descriptions for Circuit Switched Serving Arrangements

AIN Alternate Routing (4028)

This service allows customers to establish predetermined alternate routing plans for incoming voice and data traffic (e.g., MLHG, DID) Incoming calls can be rerouted to multiple (or a different) locations and/or announcements during varied emergency situations.

Generic Name of ONA Service	Product Name	BSE or CNS
AIN Alternate Routing	BS - CrisisLink[SM]	CNS

FEATURE OPERATION:

At the time this service is established, the customer predefines a set of directory numbers (DNs) to be protected in the event of a crisis. All DNs in the set receive the same default alternate handling when the service is activated. The DN set is loaded through the AIN Service Management System (SMS) into the Switching Control Point (SCP), where it remains dormant until activated via customer request to the Service Center. When a customer calls to activate their service, they may activate their default treatment, or may specify changes at the time of activation.

As an example, the incoming calls to a customer can be rerouted to the predefined DNs as follows:

— A% of calls are redirected to Backup DN 1

— B% of calls are redirected to Backup DN 2

— C% of calls are redirected to Backup DN 3

— D% of calls are redirected to a DN associated with a customized announcement

— E% of calls are completed to the number originally dialed (partial crisis/restore)

— F% of calls are sent to a standard switch based announcement

This service uses two AIN 0.1 triggers: the Public Office Dialing Plan (PODP) trigger and the Termination Attempt Trigger (TAT). Th distinction between the two is as follows:

- A PODP trigger is assigned to DNs which are served by a 5ESS terminating SSP (ASP Release 0.1B or later).
- A TAT is assigned to DNs which are served by a DMS-100 terminating SSP (NA003 or later).

[SM] CrisisLink is a service mark of BellSouth Corporation.

AIN Terminating Data Collection/Customized Routing (4029)

This service provides a customer with pertinent terminating traffic data information as well as the capability for customized routing arrangements.

Generic Name of ONA Service	Product Name	BSE or CNS
AIN Traffic Data/Routing	BS – Virtual Number Call Detail VNCD formerly AdWatch®	CNS

FEATURE OPERATION:

The customer's Directory Number (DN) becomes a "virtual" number either by reusing the customer's existing number (if it resides in a 5ESS switch), or by assigning the customer a new number in a 5ESS switch.

The customer's "virtual" number is listed as the customer's number in the Directory. Calls directory to this number can be handled as follows:

Data Collection

— counts of calls made to the virtual number including the calling party number

— call detail based on calls that receive busy or don't answer

— the customer is able to access the service via a VT100 terminal at up to 19.2 kbps, and the customer will be able to view and download call records.

Routing Functionality

— routing by day of week/time of day/% distribution to up to three locations

— routing from the virtual number to a set of locations based on geographic origination of the call

® AdWatch is a registered trademark of BellSouth Corporation.

Automatic Disaster Recovery of DID (5010)

This capability enables an ESP with multiple wire centers to provision the same Direct Inward Dialing (DID) numbers to automatically transfer to an alternate wire center in the event of a failure. The DID number will reside at the normal serving wire center. The wire centers must be connected by 1.544 Mbps interoffice facilities.

Generic Name of ONA Service	Product Name	BSE or CNS
Automatic Disaster Recovery of DID	NX - DID/DOD Disaster Recovery Service	BSE or CNS

FEATURE OPERATION:

This feature is activated in the event of a failure in the loop between the normal wire center and the customer premises. Incoming calls to lines connected to the normal wire center will be rerouted over the 1.544 Mbps trunks to the alternate wire center for completion. PBX customers obtain DID service from their normal serving wire center and an alternate wire center designated by the telephone company. DID service from the normal wire center and the alternate wire center will share an NXX that will reside at the normal wire center.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. This feature is available in the following central office switches:

Switch Type	5ESS	DMS-100
Earliest Generic Release	5E2	BCS27

2. Outgoing calls from the alternate wire center will not be affected.

Automatic Delivery (2019)

When an end user encounters a busy or don't answer condition on outgoing calls, this feature automatically forwards the calling party's call to a predetermined, dialable number served by the same or different central office switch.

Generic Name of ONA Service	Product Name	BSE or CNS
Automatic Delivery	AM - Automatic Delivery	CNS

FEATURE OPERATION:

This feature, where available, will forward calls from POTS and business lines to a dialable number.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. This feature is available in the following central office switches:

Switch Type	5ESS	DMS-100
Earliest Generic Release	5E12	NA 006

References: not available

This service, if offered as a BSE, is associated with the Circuit Switched Trunk Type BSA.

Bridging - Line (5001)

This provides the ability to connect an end user's switched exchange service to an ESP (e.g., telephone answering or voice messaging service provider). This capability is the traditional bridged service that provided answering services with a direct connection to the client's line.

Generic Name of ONA Service	Product Name	BSE or CNS
Bridging - Line	NX - Bridging (Secretarial)	BSE

Reference: GR 672 LSSGR: Bridge Services On An IDLC System, FSD 20-02-2010 (A Module of LSSGR, FR-64), Issue 1, June 2000, (replaces TR-TSY-000672, Issue 1 – no technical changes).

This service, if offered as a BSE, is associated with the Circuit Switched Line serving arrangement.

Call Denial On Line Or Hunt Group (6004)

This screening option limits terminating Circuit Switched Line calls to completion within the LATA where the Circuit Switched Line resides. InterLATA and International calls are blocked, as well as calls which may potentially terminate outside the LATA. The Call Denial option allows calls to terminate to any NXX within the LATA served by the Circuit Switched Line that does not have a special charge associated with it. Blocked calls are routed to a reorder tone or recorded announcement.

Call Denial On Line Or Hunt Group is useful to 900 services and the ESP industry for fraud control.

This feature is provided in all electronic end offices and, where available, in electro-mechanical end offices.

Generic Name of ONA Service	Product Name	BSE or CNS
Call Denial On Line Or Hunt Group	PB - Call Denial On Line Or Hunt Group	BSE

Reference GR-334 Switched Access Service: Transmission Parameter Limits and Interface Combinations, Issue 1, June 1994 (replaces TR-NWT-000334, Issue 3).

This service, if offered as a BSE, is associated with the Circuit Switched Line basic serving arrangement.

Call Detail Recording Reports - via NXX Screening (8014)

This service provides for call detail information to be recorded and made periodically available to ESPs via paper or magnetic tape format. The ESP is assigned a unique NXX code which alerts the originating central office to record call detail. Call detail includes: billing name, address and phone number; calling and called number; message date; and connect and disconnect time. Call detail is provided only for intraLATA calls. The ESP does not have to obtain access via Feature Groups A or D in order to obtain this service.

Generic Name of ONA Service	Product Name	BSE or CNS
Call Detail Recording Reports - via NXX Screening	Qwest - Network Access Service	BSE

Reference: GR 621 LSSGR: Traffic Data Provision Features, FSD 02-02-1200 (A Module of LSSGR, FR-64), Issue 1, June 2000 (replaces TR-NWT-000621, Issue 1 – no technical changes).

This service, if offered as a BSE, is associated with the Circuit Switched Line basic serving arrangement.

Call Forwarding Originating (2003)

Call Forwarding Originating is an optional basic service which is provisioned as an originating subscriber feature. It is responsible for detecting a busy or no-answer condition, and when detected, can invoke an announcement which offers the caller an option to leave a message. Call Forwarding Originating provides a trigger initiative to query the AIN Service Control Point (SCP) for routing information to direct the caller to their messaging provider of choice.

Generic Name of ONA Service	Product Name	BSE or CNS
Call Forwarding Options	AM - Special Delivery Service	CNS

FEATURE OPERATION:

Since the end office portion of the feature can only route to one telephone number, AIN functionality is combined with this feature to provide the capability to route to multiple providers. The AIN SCP stores a table that maps the originating telephone number to a chosen messaging provider. When the SCP is queried, the appropriate provider's telephone number is returned to the end office for final routing. The SS7 links will transport call set-up information (ISUP) between each end office, as well as provide connectivity to and from the SCP for call monitoring and routing information. The STP switches are responsible for routing SS7 messages to the appropriate AIN node (i.e., SCP, end office, tandem, etc.). This feature is modified on a line basis by a service order.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. This feature is available in the following central office switches:

Switch Type	DMS-100
Earliest Generic Release	NA-004

References: Not available.

Call Forwarding To Multiple Locations (6002)

This capability allows a subscriber/user to selectively redirect calls arriving at his/her station set to two (and sometimes more than two) different answering points including multiple messaging services based on specific call situations.

Generic Name of ONA Service	Product Name	BSE or CNS
Call Forwarding To Multiple Locations	PB - Dual Telephone Coverage	CNS

References: Not available.

This service, if offered as a BSE, is associated with the Circuit Switched Line type basic serving arrangement.

CFDA To DID Intraswitch (8022)

Call Forwarding Don't Answer to DID Intraswitch allows calls to be forwarded to a DID number served from the same central office as the forwarded call when the called number fails to answer. This service is associated with DID service in 1A ESS central office switches and allows the DID trunk to receive calls forwarded on a Don't Answer basis from lines equipped with Call Forwarding Don't Answer. The called number and the forwarded-to number must be in the same central office switch.

Generic Name of ONA Service	Product Name	BSE or CNS
CFDA To DID Intraswitch	BS - CFDA	CNS *
	Qwest - Expanded Answer	CNS

References: not available.

* This capability is inherent in certain 1A ESS central office switches.

Call Queuing (8058)

Call Queuing is a network-based queuing service that allows subscribers to offer callers to their business the option to stay on the line, in queue, to speak with a live person rather than reaching a busy signal or being asked to leave a message. Call Queuing does not require any special equipment (CPE) or additional lines for callers in queue. Calls in queue will be stored on the telephone company Advanced Intelligent Network (AIN).

Generic Name of ONA Service	Product Name	BSE or CNS
Call Queuing	Qwest – Qwest Call Queuing	CNS

The service will be available in AIN local calling areas for many Lucent 1A ESS, Lucent 5ESS, and Nortel DMS-100 switches. The service does not work at this time with PBX DID lines, ISDN, Call Waiting, or Custom Ringing and 1A ESS ported numbers (LNP). I is not available to Radio Contest Lines.

Numeric Caller ID, when available, is passed on out-call notification of calls entering queue to a pager, cell phone or additional line. This is an optional feature and requires customer provided equipment.

The basic service includes two queue slots. One call can be stored in queue for each queue slot. An additional unit of two more queue slots may be added if the subscriber wishes to expand the service. There is a limit of 98 queue slots per service. Please refer to local tariffs for more specific information on availability details.

References: not available.

Call Transfer On DID (3002,4026,8034)

This capability allows an ESP with Direct Inward Dial (DID) trunks to add another party to an established incoming call, to perform a three way conference. After establishing the conference, the ESP may drop from the connection without disconnecting the remaining two parties. This action allows the ESP to transfer specific calls and free the ESP's line to receive another call.

Generic Name of ONA Service	Product Name	BSE or CNS
Call Transfer On DID	BA - 2-Way DID & Call Transfer	BSE
	BS - User Transfer On DID	BSE
	Qwest - DID 2-Way Call Transfer	BSE

1. This feature is available in the following central office switches:

Switch Type	1A ESS	5ESS
Earliest Generic Release	1AE8A	5E2

2. The DID trunk must be 2-way with E&M signaling.
3. In the 5ESS central office switches, the DID trunk must have DTMF capabilities.

This service, if offered as a BSE, is associated with the Circuit Switched Trunk basic serving arrangement.

Call Waiting (2005,3017,4018,5005)

The Call Waiting (CW) feature informs a busy station user, by a burst of tone, that another call is waiting. The busy station user may hang up and answer the second call or can place the original call on hold and answer the second call.

Generic Name of ONA Service	Product Name	BSE or CNS
Call Waiting	AM - Call Waiting	CNS
	BA - Call Waiting	CNS
	BS - Call Waiting	CNS
	NX - Call Waiting	CNS
	PB - Call Waiting	CNS
	Qwest - Call Waiting	CNS

FEATURE OPERATION:

An incoming call to a busy line with CW receives audible ringing. The line with Call Waiting receives a CW tone that is repeated once about 10 seconds after the initial burst of tone.

The line with CW may respond to the CW tone in one of three ways. The called party may disconnect from the existing call. The telephone will then be rung and, if answered, the called party will be connected to the waiting call. The second alternative allows the line with Call Waiting to flash the switch-hook (.75 to 1.5 seconds) and, thereby, place the original call on hold and connect to the incoming call. The party with CW may alternate between calls by flashing the switch-hook. The third alternative is not to respond to the CW tone.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. This feature is available in the following central office switches:

Switch Type	1A ESS	5ESS	DMS-100
Earliest Generic Release	1AE8	5E2	BCS17

2. If a line has Call Forwarding Busy Line (CFBL) and CW, the CW service normally takes precedence.
3. Given that a line has both CFBL and CW and is in the talk state, the first call attempting to terminate is treated as a CW call. Subsequent termination attempts are call forwarded.
4. On a line with both a make-busy key and CW, make-busy key takes precedence when the key is activated.
5. References:
   - GR-571 LSSGR: Call Waiting FSD 01-02-1201 (A Module of LSSGR, FR-64), Issue 1, June 2000, (replaces TR-TSY-000571 Issue 1 & Revision 1 – no technical changes).
   - GR-573 LSSGR: Business Group Call Waiting FSD 01-02-1205 (A Module of LSSGR, FR-64), Issue 1, June 2000 (replaces TR-TSY-000573 Issue 1 – no technical changes).

- GR-219 LSSGR: CLASS[SM] Feature: Distinctive Ringing/Call Waiting, FSD 01-01-1110 (A Module of LSSGR, FR-64), Issue 2, April 2002 (replaces TR-TSY-000219 Issue 2 & Revision 1 & Bulletin 2 & GR-219 Issue 1).

This service, if offered as a BSE, is associated with the Circuit Switched Line basic serving arrangement.

[SM] CLASS is a service mark of Telcordia Technologies, Inc. (formerly Bellcore)

Calling Name Delivery (8045)

Calling Name Delivery, available to ISDN PRI subscribers, allows for the delivery of the calling party's name, as well as the calling party's number. The customer must have customer premises equipment (CPE) that will display the calling name.

Generic Name of ONA Service	Product Name	BSE or CNS
Calling Name Delivery	*Qwest – Calling Name Delivery*	BSE

References: not available.

Calling Name Identification (8049)

Calling Name Identification (CNI) is available to ISDN BRI subscribers. It displays the name and number of the calling party on the called party's ISDN terminal at the time of the incoming call. The name information includes up to 15 name characters, a private indication, or an unavailable indication. If the calling party number is unavailable, then the calling party name is also unavailable.

Generic Name of ONA Service	Product Name	BSE or CNS
Calling Name Identification	Qwest – Calling Name Identification	CNS

References: not available.

Dial Call Waiting (8030)

Dial Call Waiting, when used in conjunction with the Distinctive Alert feature, will allow a subscriber (for example, an Enhanced Service Provider) to invoke a distinctive ring or call waiting tone on another line. The feature is initiated by dialing an access code in the form of *XX and the telephone number of the line to be called. For this feature to work, the called line must be equipped with the Distinctive Alert feature. If the line is idle, a distinctive ring will be applied. If the line is busy, the called party will receive a call waiting tone.

Both the line equipped with Dial Call Waiting and the line equipped with Distinctive Alert must be in the same central office switch. Other technical considerations also apply.

Generic Name of ONA Service	Product Name	BSE or CNS
Dial Call Waiting	Qwest - Dial Call Waiting	BSE

This feature is available in the following central office switches:

Switch Type	5ESS
Earliest Generic Release	5E2

This service, if offered as a BSE, is associated with the Circuit Switched Line basic serving arrangement.

Dialed Number Identification via INWATS to DID (4011,5015)

Dialed Number Identification Service on 800 Service (also known as INWATS Directed to DID trunks), is a service for use in conjunction with an ESP's voice grade trunk (DID) circuit switched basic serving arrangement. Incoming 800 Service calls are terminated over DID trunks, thereby indicating the 800 number that was dialed by the calling party. The ESP knows the station number associated with each 800 number so when it receives the station number over the DID trunk it can identify the 800 number called. [Note: 888, 877, 866, and 855 are now equivalent to 800.]

Generic Name of ONA Service	**Product Name**	**BSE or CNS**
Dialed Number Identification Via INWATS to DID *	BS - 800 Service to DID Service	BSE or CNS
	NX - DNIS On 800	BSE

References: not available

This service, if offered as a BSE, is associated with the Circuit Switched Trunk serving arrangement.

* Qwest withdrew their offering for this service in the 5/19/89 ONA Plan Amendments.

DID Load Across Wire Centers (5011)

This capability enables an ESP with multiple wire centers to provision the same Direct Inward Dialing (DID) numbers at duplicate wire centers. The DID number will reside at the normal serving wire center. The wire centers must be connected by 1.544 Mbps interoffice facilities.

Generic Name of ONA Service	Product Name	BSE or CNS
DID Load Across Wire Centers	NX - DID/DOD Disaster Recovery Service	BSE or CNS

FEATURE OPERATION:

This feature is activated in the event of a failure in the loop between the normal wire center and the customer premises. Incoming calls to lines connected to the normal wire center will be rerouted over the 1.544 Mbps interoffice trunks to the alternate wire center for completion. PBX customers obtain DID service from their normal serving wire center and an alternate wire center designated by the telephone company. DID service from the normal wire center and the alternate wire center will share an NXX that will reside at the normal wire center.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. This feature is available in the following central office switches:

Switch Type	5ESS	DMS-100
Earliest Generic Release	5E2	BCS27

2. Outgoing calls from the alternate wire center will not be affected. Lines connected to the normal wire center will be out of service.

Directed Call Pickup With Barge-In (8033)

Directed Call Pickup With Barge-In allows a subscriber to pick up a call which has been answered or is ringing on another line. This feature is initiated by dialing an access code in the form of *XX and the telephone number of the line to be picked up. If the line to be picked up is in the ringing state, a connection is established between the line originating Directed Call Pickup With Barge-In and the line that originated the incoming call. If the line to be picked up has answered the incoming call, a three way connection is established between the line initiating the pickup, the originating line and the called line.

Both the line originating the pick up and the line to be picked up must be equipped with the service and must be in the same central office switch. Other technical considerations also apply.

Generic Name of ONA Service	Product Name	BSE or CNS
Directed Call Pickup With Barge-In	Qwest - Directed Call Pickup With Barge-In	BSE

This feature is available in the following central office switches:

Switch Type	5ESS
Earliest Generic Release	5E2

Reference:

- GR-590 LSSGR: Call Pickup Features FSD 01-02-2800 (A Module of LSSGR, FR-64), Issue 1, June 2000 (replaces TR-TSY-000590 Issue 1 – no technical changes).

This service, if offered as a BSE, is associated with the Circuit Switched Line basic serving arrangement.

Directed Call Pickup Without Barge-In (8032)

Directed Call Pickup Without Barge-In allows a subscriber to pick up a call which is ringing on another line. This feature is initiated by dialing an access code in the form of *XX and the telephone number of the line to be picked up. If the line to be picked up is in the ringing state, a connection is established between the line originating Directed Call Pickup Without Barge-In and the line that originated the incoming call. If the line to be picked up has answered the incoming call, busy tone is returned to the line that originated the Directed Call Pickup Without Barge-In feature.

Both the line originating the pick up and the line to be picked up must be equipped with the service and must be in the same central office switch. Other technical considerations also apply.

Generic Name of ONA Service	**Product Name**	**BSE or CNS**
Directed Call Pickup Without Barge-In	Qwest - Directed Call Pickup Without Barge-In	BSE

This feature is available in the following central office switches:

Switch Type	**5ESS**
Earliest Generic Release	5E2

Reference:

- GR-590 LSSGR: Call Pickup Features FSD 01-02-2800 (A Module of LSSGR, FR-64), Issue 1, June 2000 (replaces TR-TSY-000590 Issue 1 – no technical changes).

This service, if offered as a BSE, is associated with the Circuit Switched Line basic serving arrangement.

Distinctive Alert (8031)

Distinctive Alert, when used in conjunction with the Dial Call Waiting feature, will allow a subscriber (for example, an Enhanced Service Provider's client) to be notified of certain incoming calls. When called from a line equipped with the Dial Call Waiting feature, a distinctive ring will be provided if the line is idle and a call waiting tone will be heard if the line is busy.

Both the line equipped with Distinctive Alert and the line equipped with Dial Call Waiting must be in the same central office switch. Other technical considerations also apply.

Generic Name of ONA Service	Product Name	BSE or CNS
Distinctive Alert	Qwest - Distinctive Alert	BSE

This feature is available in the following central office switches:

Switch Type	5ESS
Earliest Generic Release	5E2

This service, if offered as a BSE, is associated with the Circuit Switched Line basic serving arrangement.

Easy Access (8054)

Easy Access is an AIN service that provides customers with the ability to press *98 and automatically connect to another predetermined telephone number. The predetermined number must be provided at the time the service is installed, and can only be changed through the issuance of a service order.

Easy Access is specifically designed to work with switches on the SS7 network that supports AIN 0.1. The service will not be capable of working with non-AIN switches or switches not on the SS7 Network.

Generic Name of ONA Service	Product Name	BSE or CNS
Easy Access	Qwest – Easy Access	CNS

This feature is available in the following central office switches, with generics that support AIN 0.1 capability: Lucent 5ESS, Lucent 1A ESS, and Nortel DMS-100/200. Easy Access is also not compatible with certain types of complex services. Please refer to the appropriate tariff for further details.

References: not available.

Monthly Call Detail Recording (4023)

This capability is an arrangement to provide a customer with a monthly record of terminating calls to a specific customer number. The customer is provided with call detail information such as: calling telephone number, the customer-specified number, date, time of day and call duration.

Generic Name of ONA Service	Product Name	BSE or CNS
Monthly Call Detail Recording	BS - Call Detail Information	BSE

FEATURE OPERATION:

The customer subscribes to a service utilizing a unique NXX code. The unique NXX code is used to route calls for that NXX to the TOPS switch for recording. The billing process separates the recorded messages by line number and prepares a magnetic tape for each customer requesting a detailed record of the calls to his number.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. Call detail includes the customer's number, the originating number, date, time of day and call duration.
2. Data is provided on magnetic tape. The tape density and number of tracks will be that used by the program and data processing system in use by the LEC's accounting center furnishing the tape.
3. A magnetic tape will be provided by the LEC on each occasion that the call information is furnished to the customer. The tape becomes the property of the customer and may not be returned to the LEC for reuse.
4. References:
   - None

Multiplexing - T1 Transport - 1.544 Mbps - Line Side (8024)

This provides the ESP with a digital 1.544 Mbps facility at their premises that is then available to provide for 24 Line Circuit Switched Basic Serving Arrangements. The interface is capable of transmitting electrical signals at a nominal 1.544 Mbps rate, with the capability to channelize 24 voice frequency transmission paths. When utilizing analog terminations, either in analog or digital switching systems, the BOC will provide multiplex and/or channel bank equipment to derive 24 transmission paths of a frequency bandwidth of approximately 300 to 3000 Hz. When utilizing digital terminations, either in analog or digital switching systems, the BOC will provide a DS1 signal in D3/D4 format. All service will be provided with individual transmission path bit stream supervisory signaling.

All circuit switched BSAs on the individual DS1 facilities must be uniform in that they must all terminate in the same suitably equipped circuit switch. The individual 24 circuit switched BSAs must all be of the same equipment type, i.e., lines and trunks cannot be mixed.

This service will be provided on an individual case basis.

Generic Name of ONA Service	Product Name	BSE or CNS
Multiplexing - T1 Transport - 1.544 Mbps - Line Side	Qwest - Interface Group 6	BSE

Reference: GR-510 LSSGR: System Interfaces, Section 10 (A Module of LSSGR, FR-64), Issue 1, June 2000 (replaces TR-TSY-000510 Issue 2 & Revisions 1 & 2 – no technical changes).

This service, if offered as a BSE, is associated with the Circuit Switched Line serving arrangement.

Multiplexing - T1 Transport - 1.544 Mbps - Trunk Side (5013)

This provides the ESP with a digital 1.544 Mbps facility at their premises that is then available to provide up to 24 Circuit Switched Trunk Basic Serving Arrangements. When utilizing analog network terminations, the telephone company will provide multiplex and/or channel bank equipment to multiplex 24 transmission paths of a frequency bandwidth of approximately 300 to 3000 Hz into a DS1 signal. When utilizing digital network terminations, the telephone company will provide a DS1 signal.

Generic Name of ONA Service	Product Name	BSE or CNS
Multiplexing- T1 Transport - 1.544 Mbps - Trunk Side	NX- Circuit Switched Trunk With T1 Transport	BSE or CNS

Reference: GR-510 LSSGR: System Interfaces, Section 10 (A Module of LSSGR, FR-64), Issue 1, June 2000 (replaces TR-TSY-000510 Issue 2 & Revisions 1 & 2 – no technical changes).

This service, if offered as a BSE, is associated with the Circuit Switched Trunk serving arrangement.

Number Forwarding (8055)

Number Forwarding is an Advanced Intelligent Network (AIN) service that allows a customer to have a telephone number without having an exchange access line. Calls placed to the telephone number can be forwarded to any other telephone number within the local calling area.

Generic Name of ONA Service	Product Name	BSE or CNS
Number Forwarding	Qwest – Number Forwarding	CNS

FEATURE OPERATION:

Number Forwarding is an AIN service that allows a customer to have a telephone number without having an exchange access line. Cal placed to the telephone number can be forwarded to any other telephone number within the local calling area. It is specifically designe to work with switches on the SS7 network that supports AIN 0.1.

The service will not be capable of working with non-AIN switches or switches not on the SS7 network. The service does require a Specific Digit String 10-digit Trigger (AKA 3-6-10 or PODP) on the subscriber's telephone number.

Number Forwarding is available on switches equipped with AIN. Lucent 5ESS, Lucent 1A ESS, and Nortel DMS-100/200 are all switches capable of offering this service.

References: not applicable.

Priority Installation Service (4013)

This service provides the ESP, on an optional basis, priority installation.

Generic Name of ONA Service	Product Name	BSE or CNS
Priority Installation Service	BS - Expedited Order	BSE or CNS

FEATURE OPERATION:

An ESP may request that the installation service order be expedited. The ESP will incur the Expedited Order Charge to obtain the expedited service date.

References: not applicable.

Privacy + (8047)

With Privacy +, callers that are in an "unavailable/unidentified" area and callers that choose not to unblock their data, will be asked to record their name. Caller ID with Privacy + will ring the subscriber's phone with a distinctive ring (two short rings). If the call is answered, the customer will hear the recorded name and have the option of pressing "1" to accept the call or "2" to reject the call.

Generic Name of ONA Service	Product Name	BSE or CNS
Privacy +	Qwest – Privacy +	CNS

References: not applicable.

Redirecting Name Delivery (8046)

Redirecting Name Delivery, available to ISDN PRI subscribers, allows for the name and number of the original caller and the last redirecting number to be displayed after a call has been redirected via a call forwarding feature. The customer must have CPE that will display the redirecting name and number.

Generic Name of ONA Service	Product Name	BSE or CNS
Redirecting Name Delivery	Qwest – Redirecting Name Delivery	BSE

References: not applicable.

Redirecting Number Delivery (8048)

Redirecting Number Delivery (RND) is a terminating user feature available to ISDN BRI subscribers. It allows the delivery of the redirecting number to the called party to indicate that call forwarding has occurred. If the received call is a forwarded call, the original calling party's number and the last forwarded directory number are delivered to the called party.

Generic Name of ONA Service	Product Name	BSE or CNS
Redirecting Number Delivery	Qwest – Redirecting Number Delivery	CNS

References: not applicable.

Remote Call Forwarding (3004,4019,5014,8025)

Remote Call Forwarding (RCF) is a service that utilizes a Directory Number (DN) to automatically forward all incoming calls to another DN. The forwarded to number can be in the same central office switch or in another central office switch.

The remote call forwarding directory number is not directly associated with an access connection arrangement, but rather is a software translation programmed within the central office switch. All calls dialed to that directory number will forward to another number automatically. The subscriber to this capability does not have a station set for termination of calls made to their remote call forwarding number.

Generic Name of ONA Service	Product Name	BSE or CNS
Remote Call Forwarding	BA - Remote Call Forwarding	CNS
	BS - Remote Call Forwarding	CNS
	NX - Remote Call Forwarding	CNS
	Qwest - Market Expansion Line	BSE

Reference: GR-581 LSSGR: Remote Call Forwarding FSD 01-02-1402 (A Module of LSSGR, FR-64),Issue 1, June 2000 (replaces TR-TSY-000581 Issue 1 – no technical changes).

This service, if offered as a BSE, is associated with the Circuit Switched Line serving arrangement.

Remote Call Forwarding On DID Lines (8057)

This service is an Advanced Intelligent Network (AIN) capability that allows Remote Call Forwarding on Direct Inward Dialed (DID) lines. It also allows the calls to be forwarded on a scheduled basis.

Generic Name of ONA Service	Product Name	BSE or CNS
Remote Call Forwarding On DID Lines	Qwest – Call Planner	BSE

FEATURE OPERATION:

This AIN service allows remote call forwarding on DID lines. It also allows the calls to be forwarded on a scheduled basis. This service will be available with the following DID services:

- Primary Rate ISDN (Voice Only)
- Advanced DSS 2-Way and In-Only
- TDD In-Only

AIN Remote Call Forwarding on DID Lines is an AIN service and is available in switches within the established AIN Local Calling Area. It is available in the following switch types:

- Lucent 5ESS
- Lucent 1A ESS
- Nortel DMS-100

Reference: not available.

Security Screen (8056)

Security Screen is an Advanced Intelligent Network (AIN) feature that provides subscribers with the ability to screen Private/Anonymous and Out Of Area/Unknown calls that are placed to their number.

Generic Name of ONA Service	Product Name	BSE or CNS
Security Screen	Qwest – Security Screen	CNS

FEATURE OPERATION:

Security Screen prompts unidentified callers to press 1 to unblock their calling party information, or to press 2 to input the number they are calling from. Security Screen advises callers to hang up if they are solicitors. If a caller chooses not to unblock their calling information or enter their calling number, Security Screen will advise the caller that their call cannot be completed, and will terminate the call or transfer the call to the subscriber's voice mail. If a caller chooses to unblock their line or enter their calling party information, the service alerts the subscriber of the incoming call with a distinctive ring, and the caller's number and name (if available) are displayed on the subscriber's Caller ID unit. Security Screen can be turned on and off by the subscriber. A customer who subscribes to Security Screen must also subscribe to Caller Identification (Name and Number).

Security Screen is available in all Lucent 1A ESS, Lucent 5ESS, and Nortel DMS-100 switches that are AIN capable. It is not compatible with DID, ISDN, Digital Services, and Custom Ringing in a DMS 100.

Reference: not available.

Selective Call Waiting (8061)

Selective Call Waiting is a premium version of Call Waiting that allows the subscriber to establish and modify a list of telephone numbers that trigger the Call Waiting tone when the subscriber's line is in use. Calls from telephone numbers not on the list, or calls from unidentified callers will either be routed to voice mail (if subscriber has voice mail) or they will be routed to an announcement that will tell the caller that the line is busy and to try their call later.

Generic Name of ONA Service	Product Name	BSE or CNS
Selective Call Waiting	Qwest – Selective Call Waiting	CNS

Reference: not available.

Service Code Denial On Line Or Hunt Group (6005)

This screening option disallows completion of terminating calls to local directory assistance (411, 555-1212), to service codes 611 and 911, and to local operator assistance (0-, 00-). Blocked calls are routed to a reorder tone or a recorded announcement.

Service Code Denial On Line Or Hunt Group is useful to 900 services and the ESP industry for fraud control.

This feature is provided in all electronic end offices and, where available, in electro-mechanical end offices.

Generic Name of ONA Service	**Product Name**	**BSE or CNS**
Service Code Denial On Line Or Hunt Group	PB - Service Code Denial On Line Or Hunt Group	BSE

Reference: GR-334 Switched Access Service: Transmission Parameter Limits and Interface Combinations, Issue 1, June 1994 (replaces TR-NWT-000334, Issue 3).

This service, if offered as a BSE, is associated with the Circuit Switched Line serving arrangement.

Surrogate Client Number (4002)

This capability provides a method for customers of an ESP to have a "presence" in the ESP's serving office as a "virtual telephone number." This capability will allow an ESP to identify the "calling number" of customers served by central offices where demand is insufficient to justify a Foreign Central Office (FCO) arrangement for calling number identification services such as SMDI that are currently limited by technology to intraoffice applications only.

This capability is presently only feasible from 1A ESS switches. This capability cannot be used with Call Forwarding Don't Answer to a *DID* number. *This capability is limited to intraoffice operation.*

Generic Name of ONA Service	Product Name	BSE or CNS
Surrogate Client Number	BS - Surrogate Client Number	BSE

Reference: GR-581 LSSGR: Remote Call Forwarding FSD 01-02-1402 (A Module of LSSGR, FR-64), Issue 1, June 2000 (replaces TR-TSY-000581 Issue 1 – no technical changes).

This service, if offered as a BSE, is associated with the Circuit Switched Line serving arrangement.

Switched 56 Kilobit Service (3019,4021,5036)

Switched 56 Kilobit Service enables subscribers to transmit and receive data at the rate of 56 kilobits per second. Customers requiring InterLATA/Interstate transport can subscribe to an Interexchange Carrier that has Switched 56 Kilobit Service connectivity. The telephone company may offer Switched 56 Kilobit Access Service using Feature Group D protocol arrangements.

Generic Name of ONA Service	Product Name	BSE or CNS
Switched 56 Kilobit Service	BA - Switched 56 Kilobit Service	BSA
	BS - AccuPulse®	BSA
	NX - Switchway	BSA

FEATURE OPERATION:

Customers establish calls by dialing 7 or 10 digits as they would for a POTS call. Calls can only terminate to another Switched 56 line and cannot be used for normal voice communications.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. This feature is available in the following central office switches:

Switch Type	1A ESS	5ESS
Earliest Generic Release	1AE8	5E6

2. This service is offered from specially equipped 1A ESS and 5ESS switches using facilities that are designed to accommodate 56 kilobits per second, full duplex, synchronous transmission. Remote access arrangements are available for customer locations not within the local wire center area of the specially equipped switches.
3. Subscriber loops from the local central office to customers' premises must be 4-wire, non-loaded facilities that can be designed to meet the specifications of Digital Data Service.
4. Interoffice facilities are specially equipped and are dedicated to the transport of Switched 56 Kilobit Service traffic. Access facilities are also specially equipped and dedicated to Switched 56 Kilobit Service.
5. Customers' CPE must be Accunet Compatible.
6. References:
   - GR-334 Switched Access Service: Transmission Parameter Limits and Interface Combinations, Issue 1, June 1994 (replaces TR-NWT-000334, Issue 3).
   - MDP-326-726 Digital Data System Channel Interface Specification, Issue 1, September 1983.

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This service is associated with the Circuit Switched Trunk basic serving arrangement.

Third Number Billing Inhibited (4012,7067)

This capability provides Enhanced Services Providers (ESPs) with the ability to prevent third number calls from being billed to their switched access billing accounts, (e.g., DID numbers). This capability is provided by the operating procedures of a BOC providing operator services capabilities.

When a call is made to a BOC operator services system, and the caller requests the charges be billed to a third number, the operator makes a call to the third number for verification that the charges will be accepted. If no answer is received when the third number is called for verification of billing acceptance, the bill to third request is rejected.

In some areas, when a call is made to a BOC operator services system, and the caller requests the charges be billed to a third number, the operator queries the Line Information Database (LIDB) to determine the billed party's preference concerning bill to third number requests. If the information in the LIDB indicates to always reject bill to third party attempts, then the bill to third request is rejected.

Generic Name of ONA Service	Product Name	BSE or CNS
Third Number Billing Inhibited	BS - Billed Number Screening *	BSE or CNS
	SWB - Billed Number Screening	CNS

Reference: FR-271 (replaces FR-NWT-000271) Operator Service Systems Generic Requirements (OSSGR), Issue 003, January 2003. See FSD 85-01-0300 for information about Third Number Billing, see GR-1177 OSSGR: Special Billing Features (FSD 85 Series), A Module of OSSGR, FR-271 & FD-LECKIT-CD-01, Issue 1, June 1997, Issue 2 – December 2000.

* This capability is available throughout the BellSouth region upon customer request.